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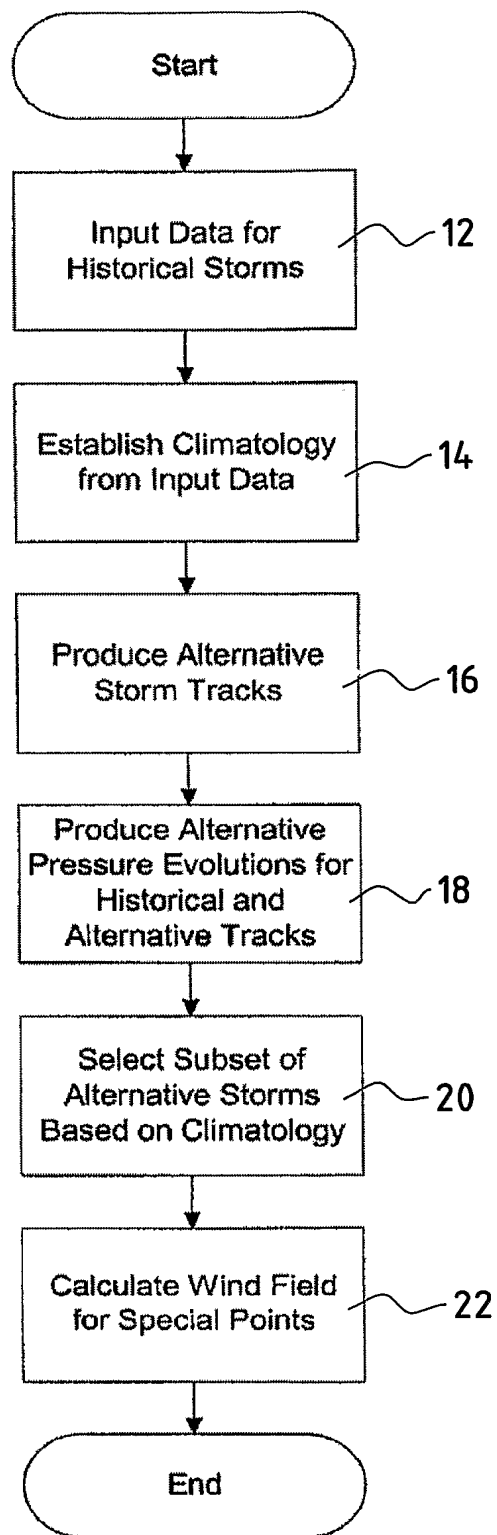


FIG. 1

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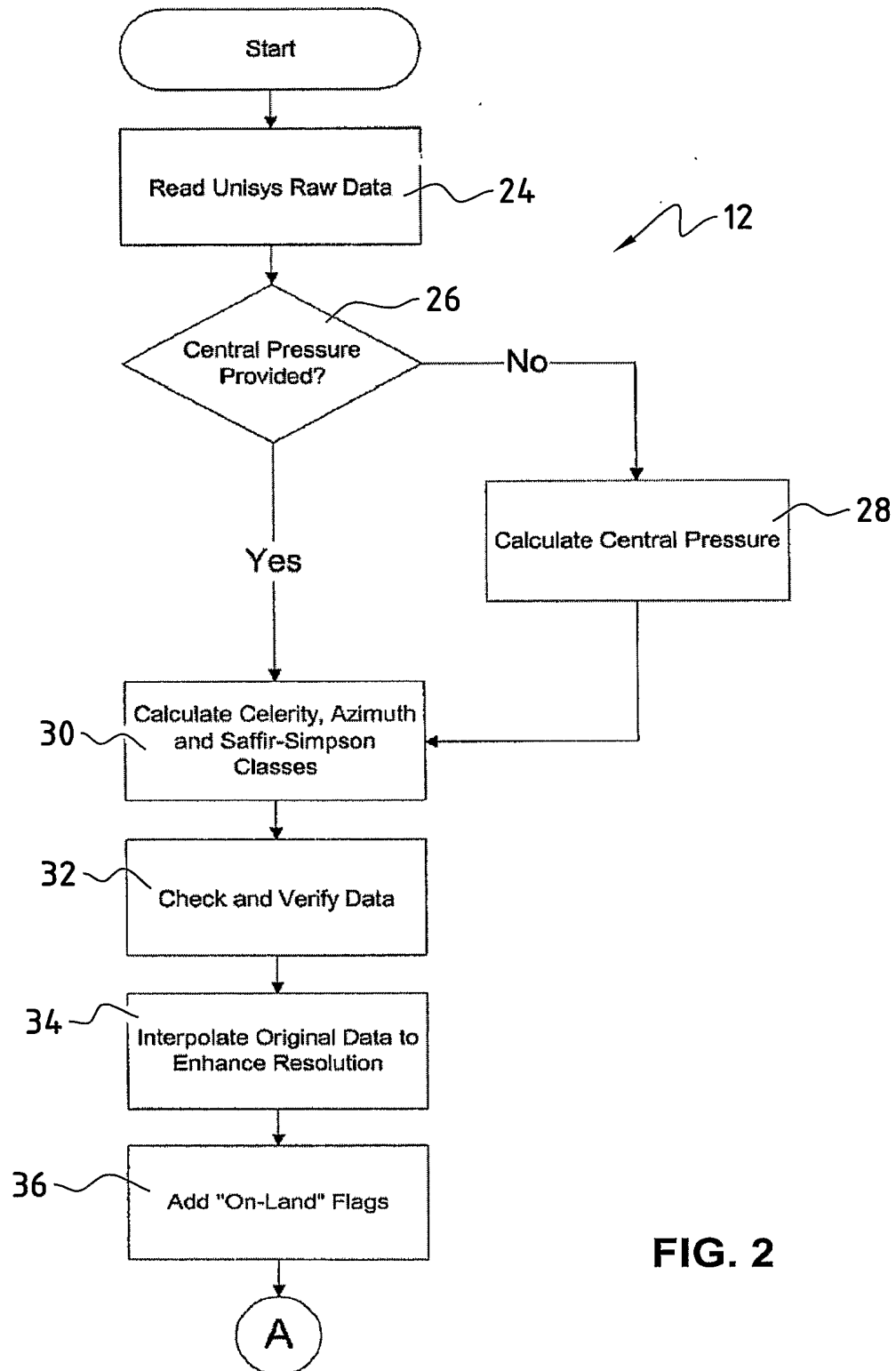


FIG. 2

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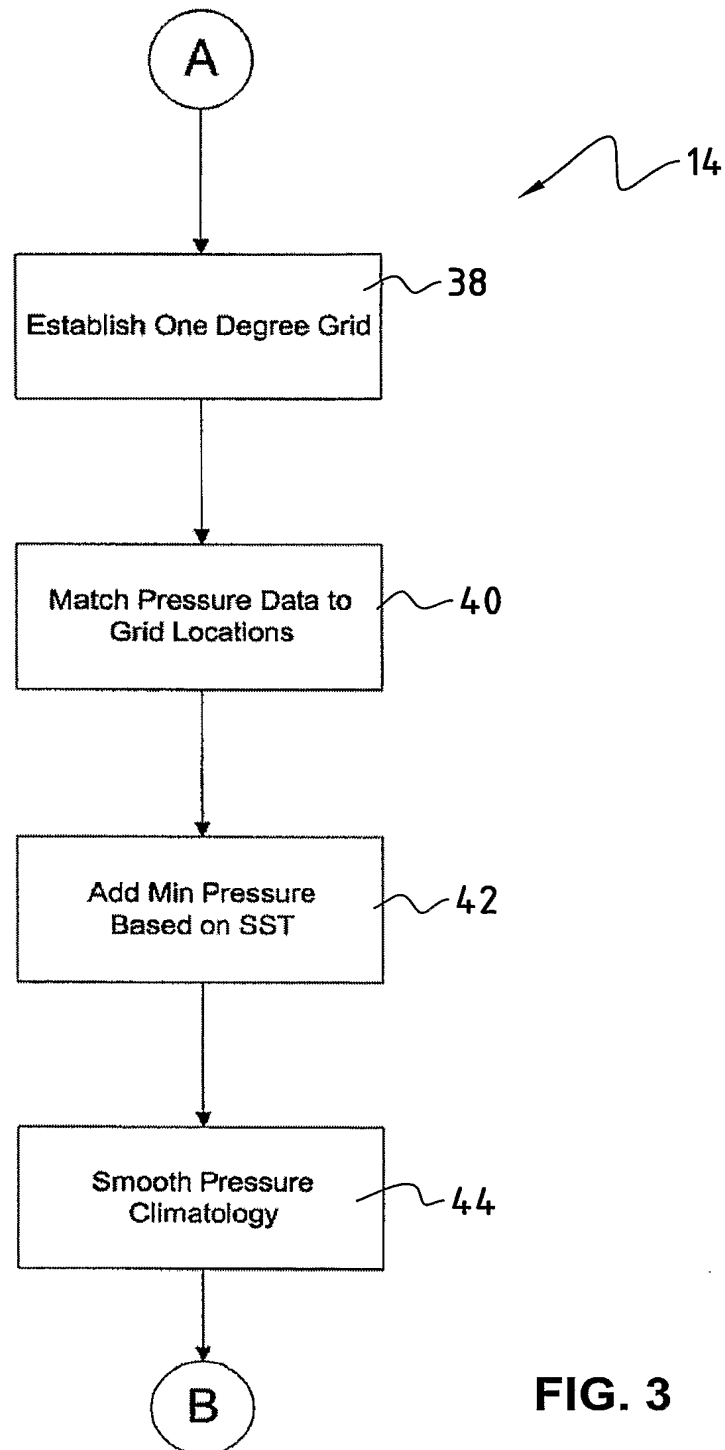


FIG. 3

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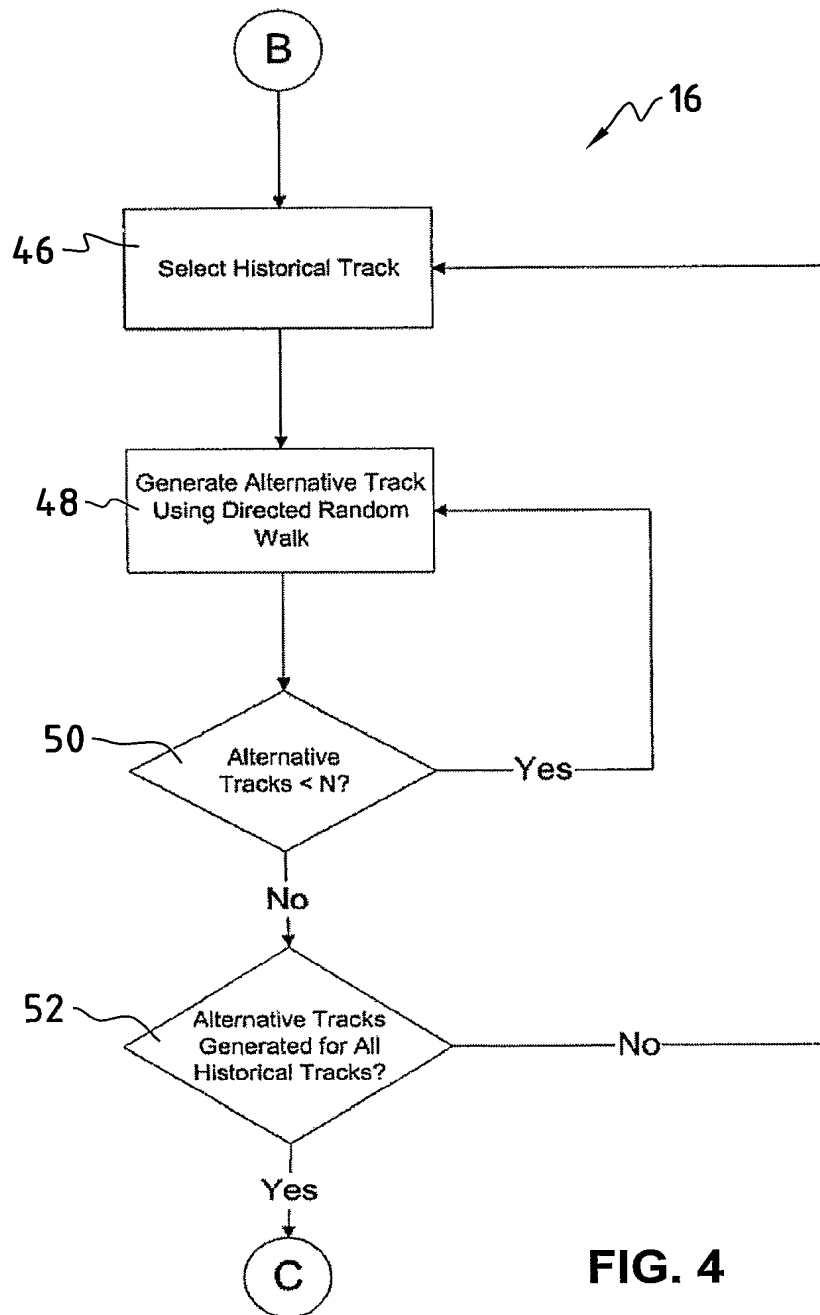


FIG. 4

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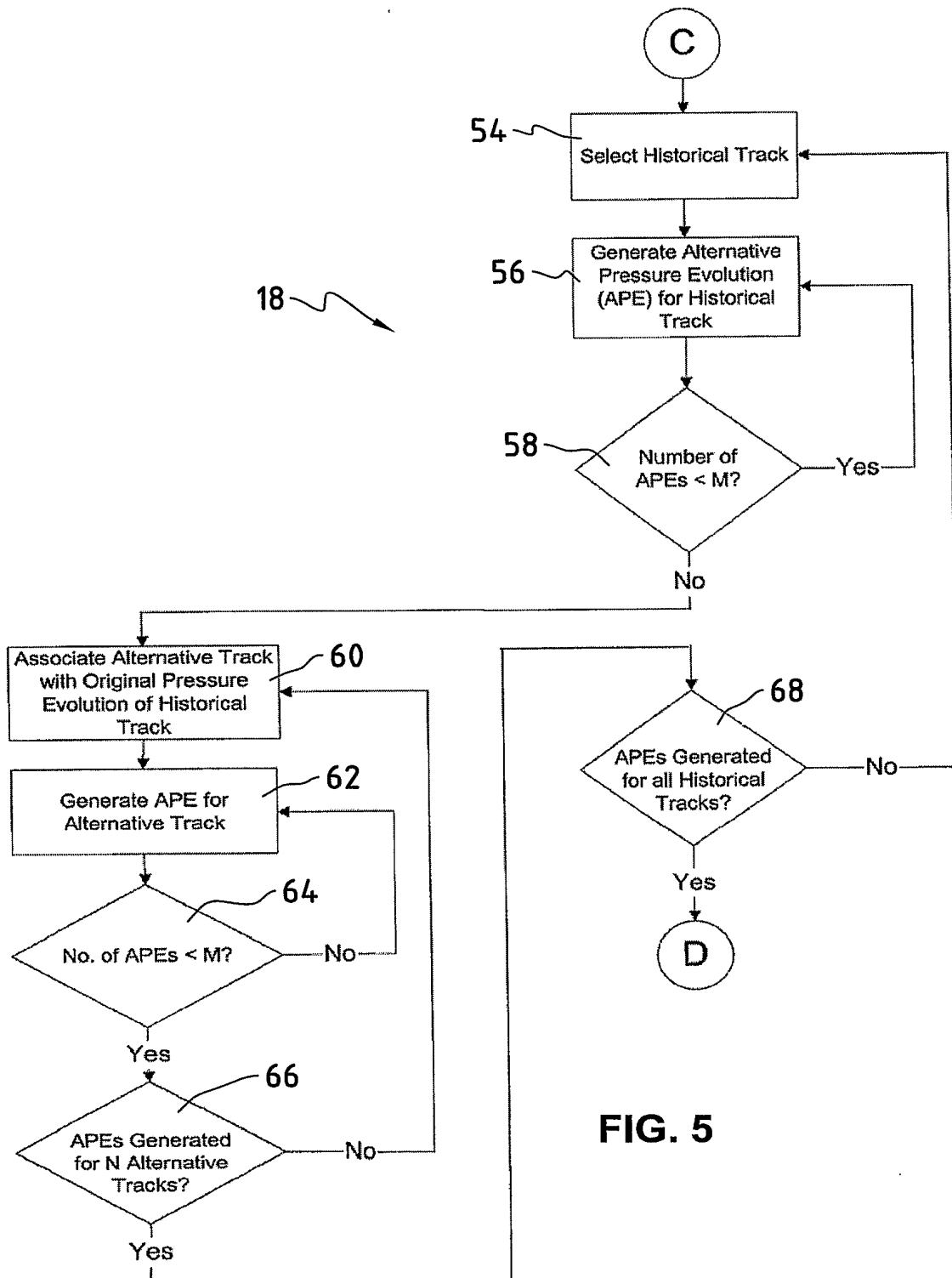


FIG. 5

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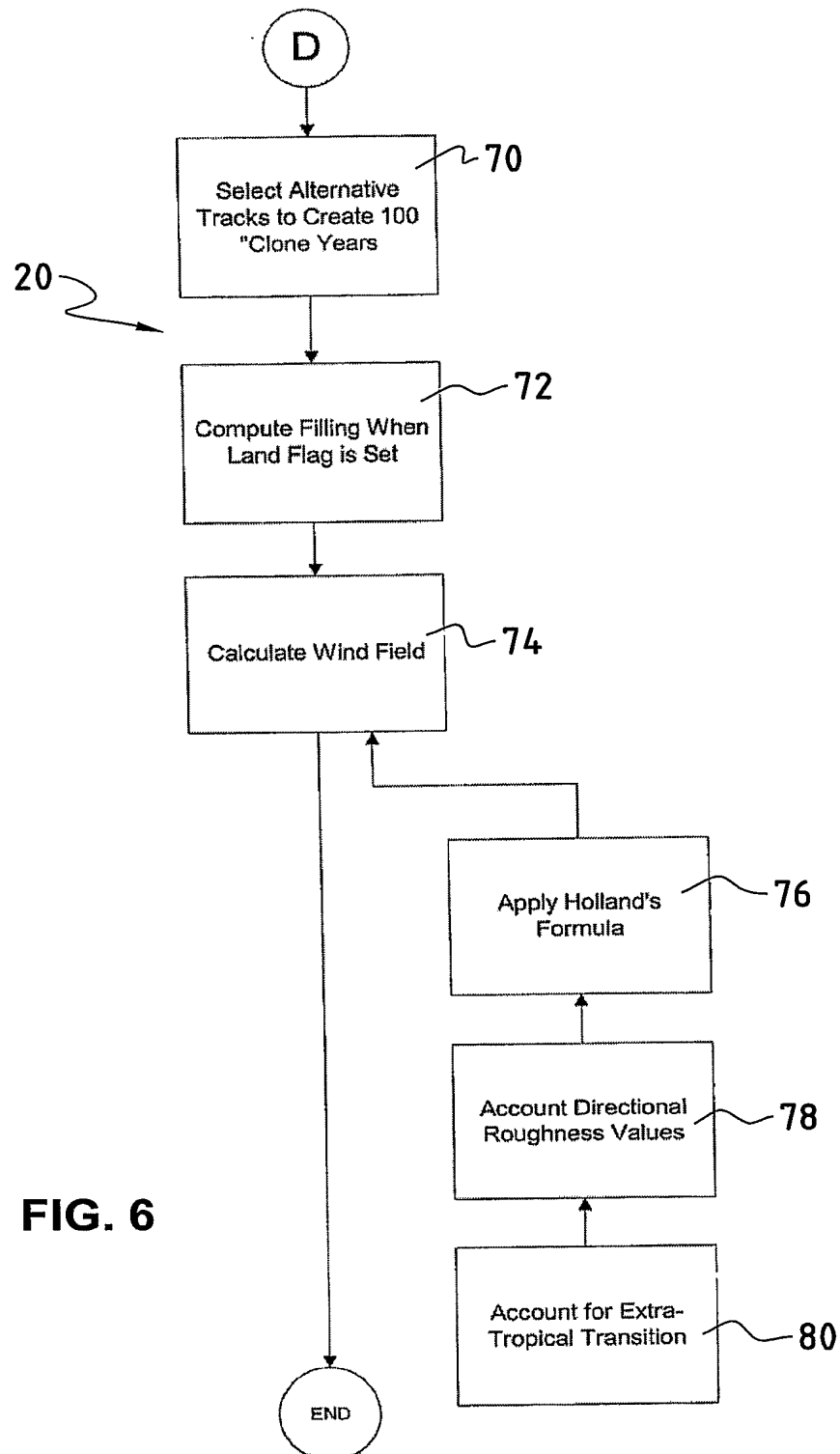
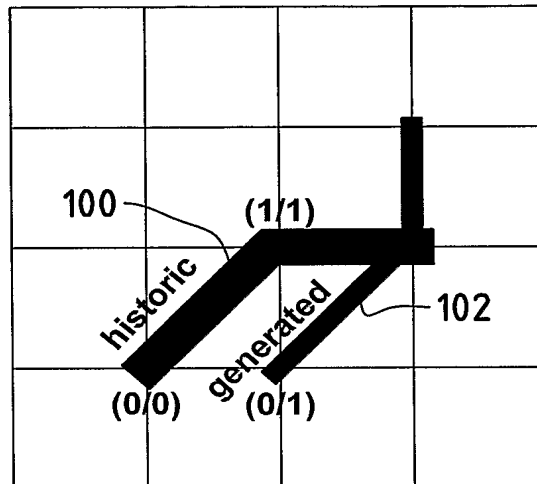


FIG. 6

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historic  
n-tuple



$$\begin{matrix} x & = & 0 & 1 & 2 \\ y & = & 0 & 1 & 1 \end{matrix}$$

random  
n-tuple  
( $x_r, y_r$ )

$$\begin{matrix} x_r & = & 1 & 0 & -1 \\ y_r & = & 0 & 0 & 1 \end{matrix}$$

cumulative sum  
n-tuple  
( $x'_r, y'_r$ )

$$\begin{matrix} x' & = & 1 & 1+0=1 & 1+(-1)=0 \\ y' & = & 0 & 0+0=0 & 0+1=1 \end{matrix}$$

generated  
n-tuple  
( $x+x', y+y'$ )

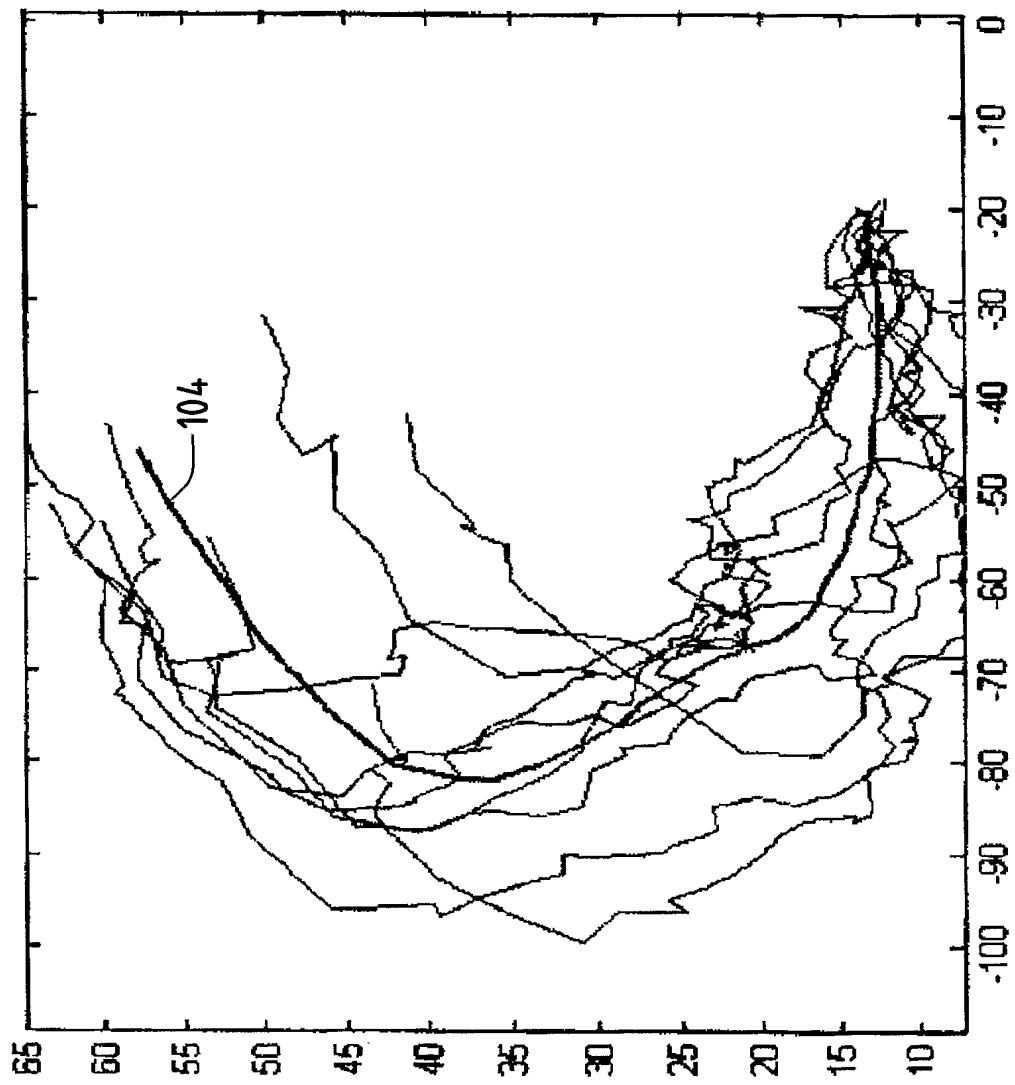


$$\begin{matrix} x+x' & = & 0+1=1 & 1+1=2 & 2+0=2 \\ y+y' & = & 0+0=0 & 1+0=1 & 1+1=2 \end{matrix}$$

FIG. 7

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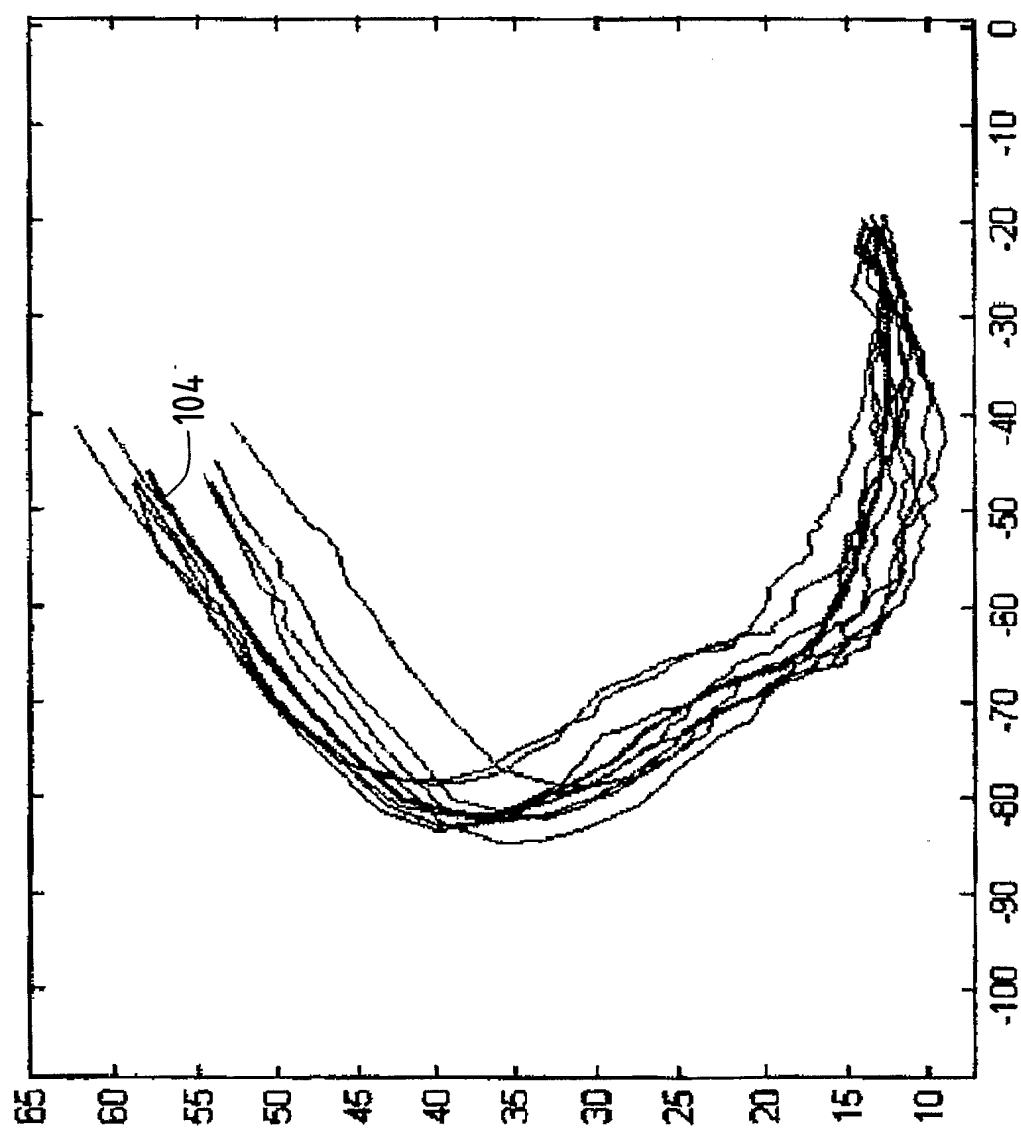
FIG. 8a





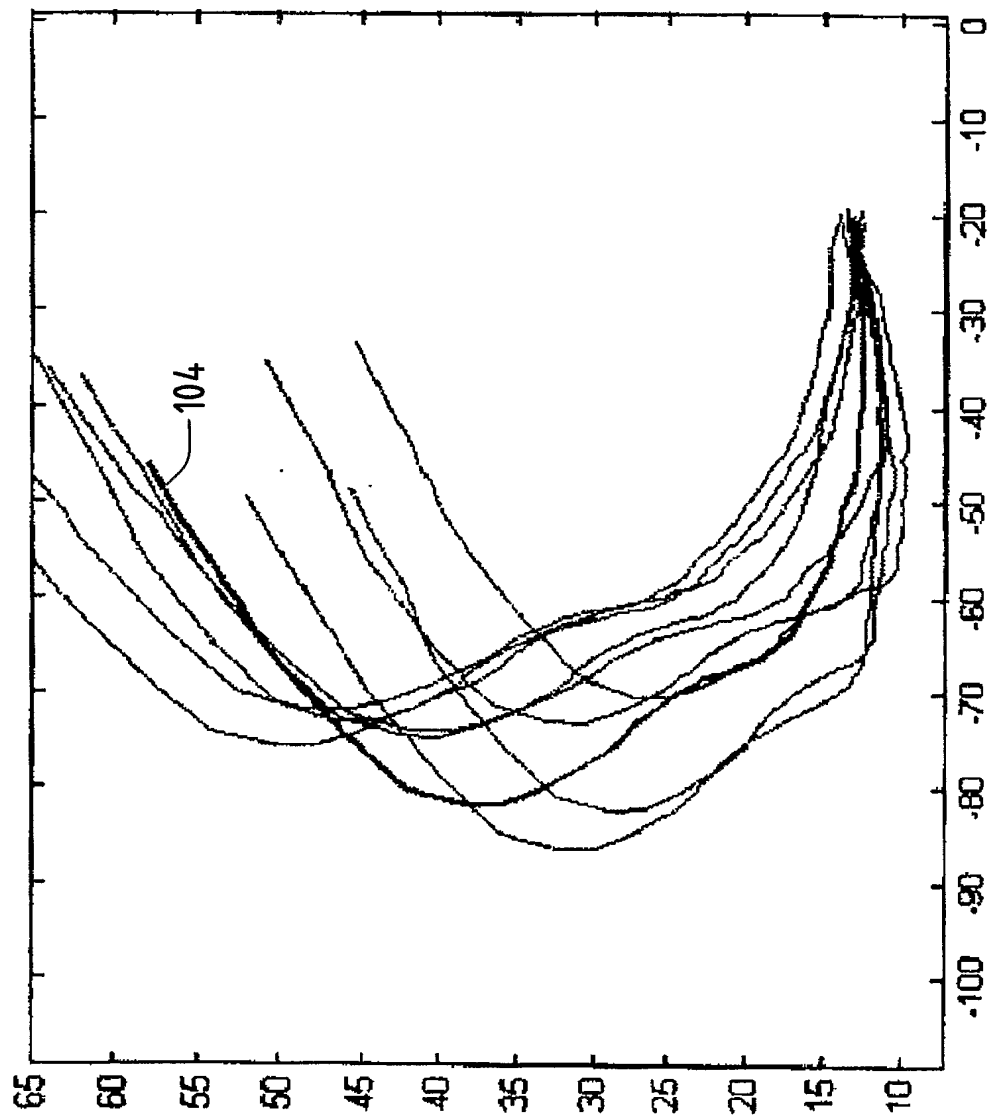
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FIG. 8b



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FIG. 8c



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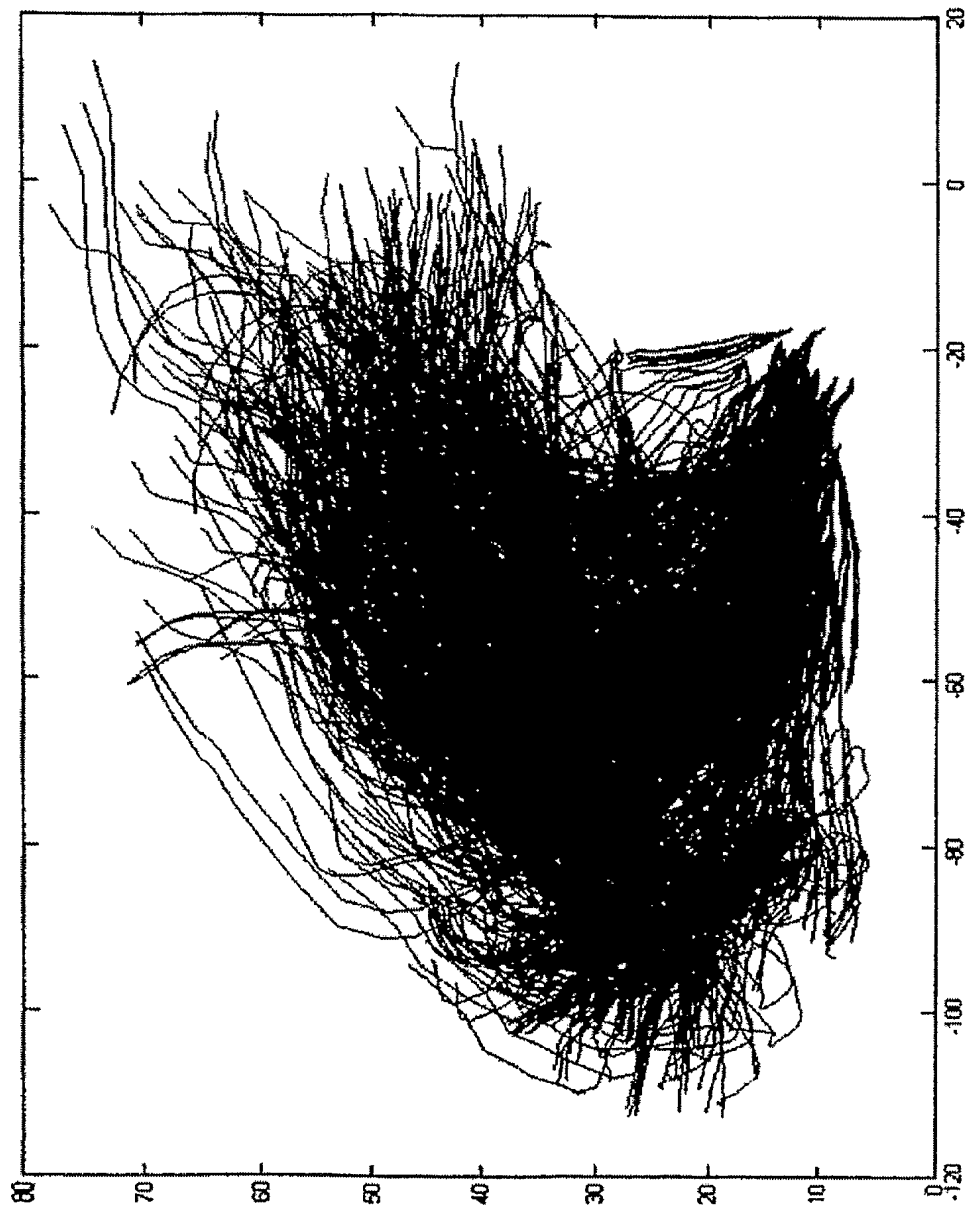


FIG. 9a

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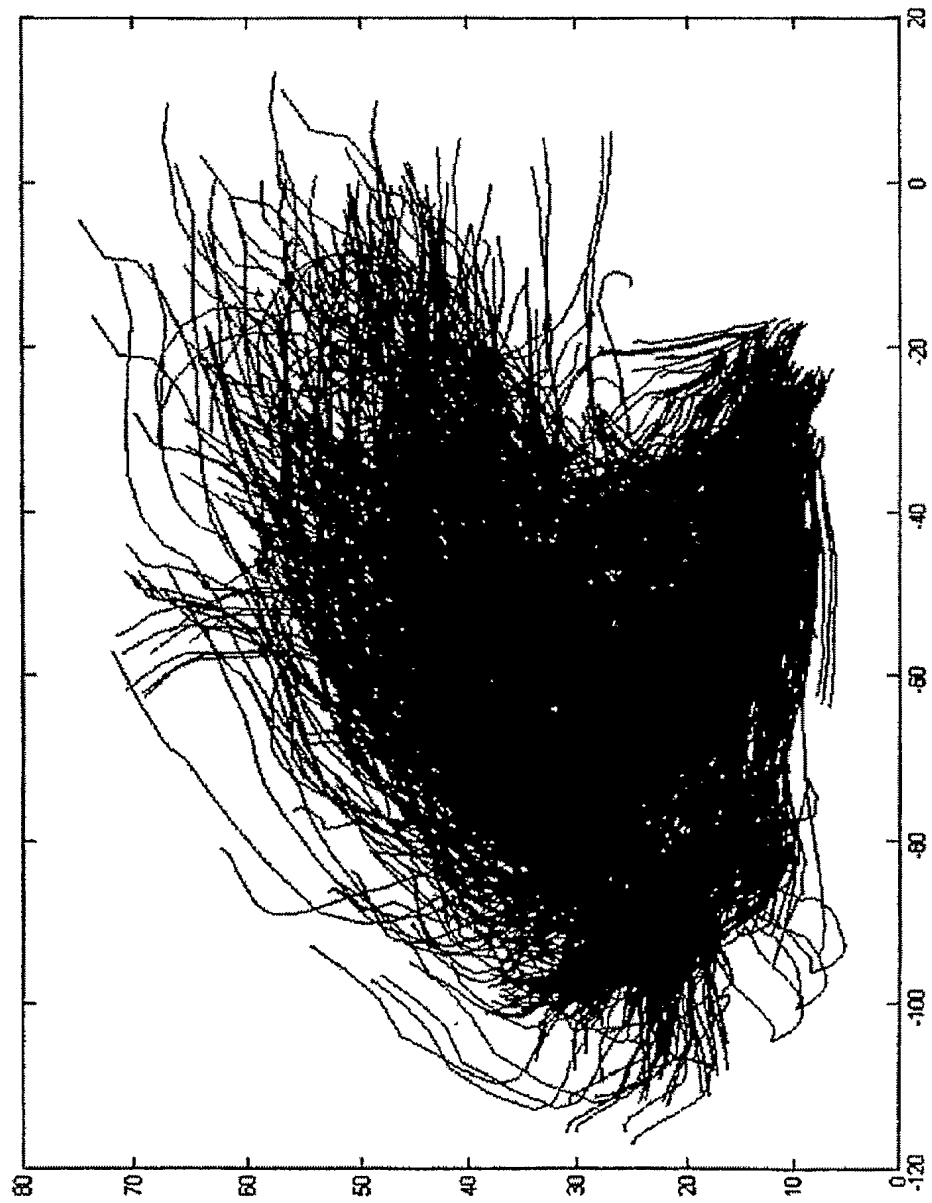


FIG. 9b

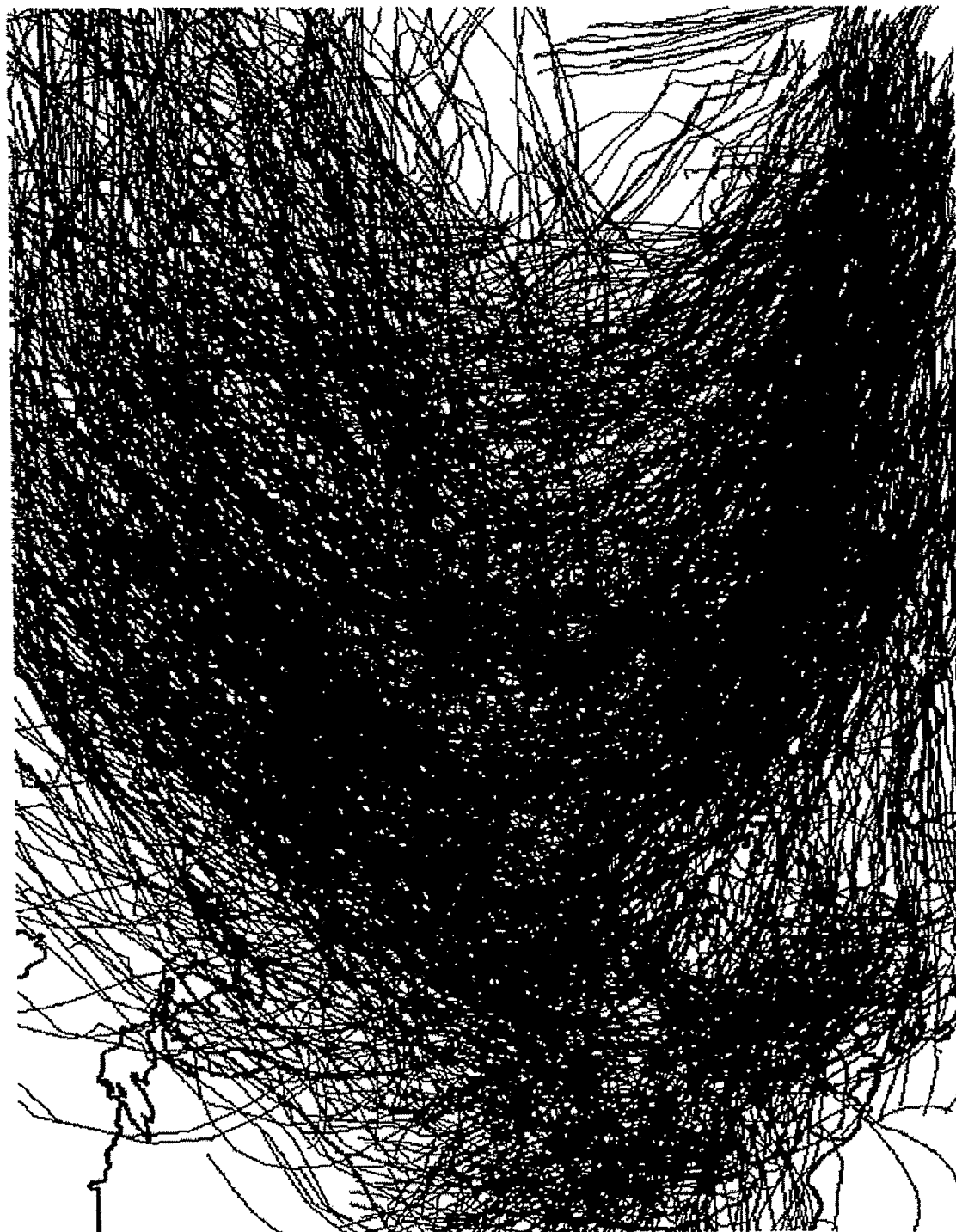


FIG. 10

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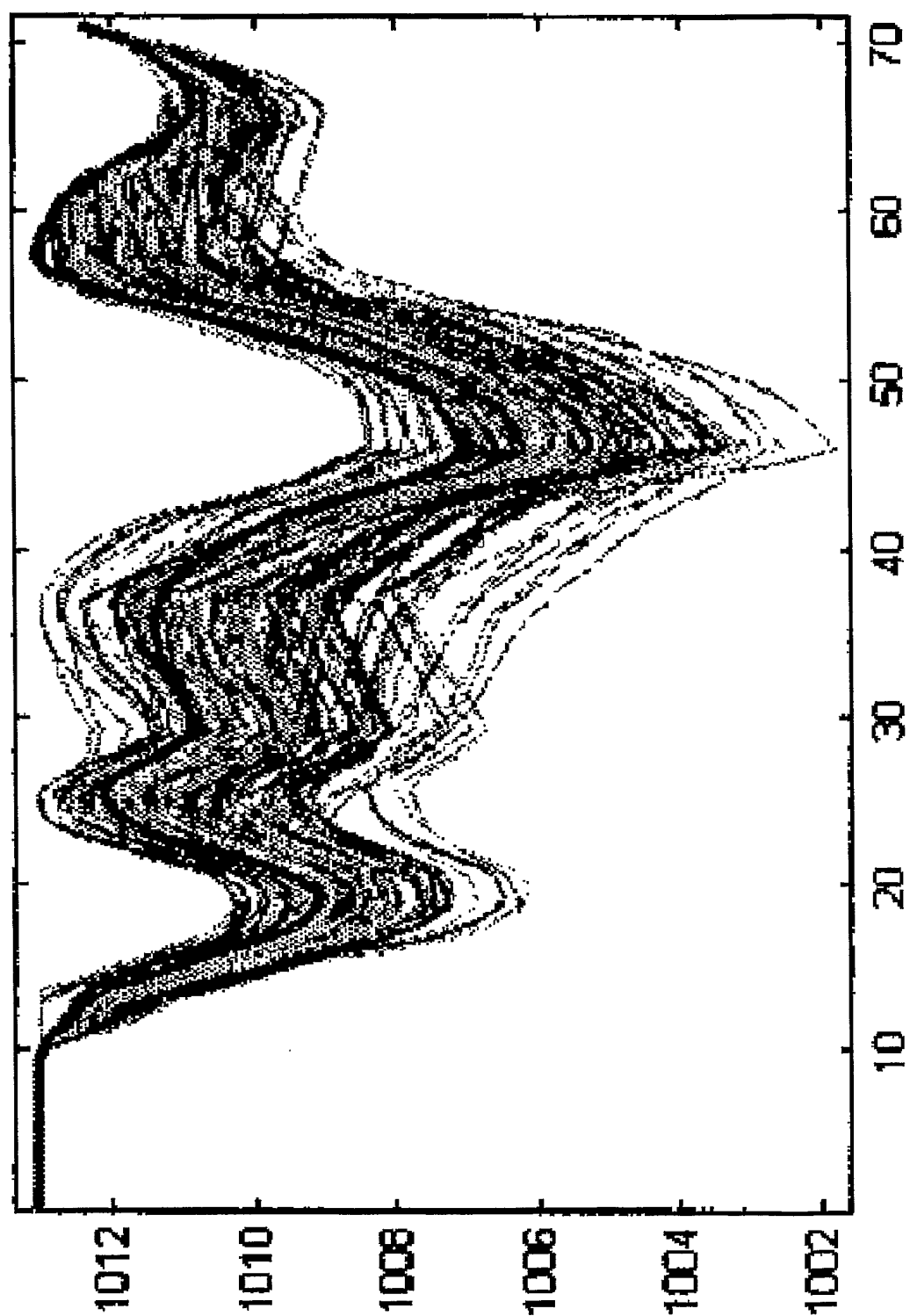


FIG. 11a

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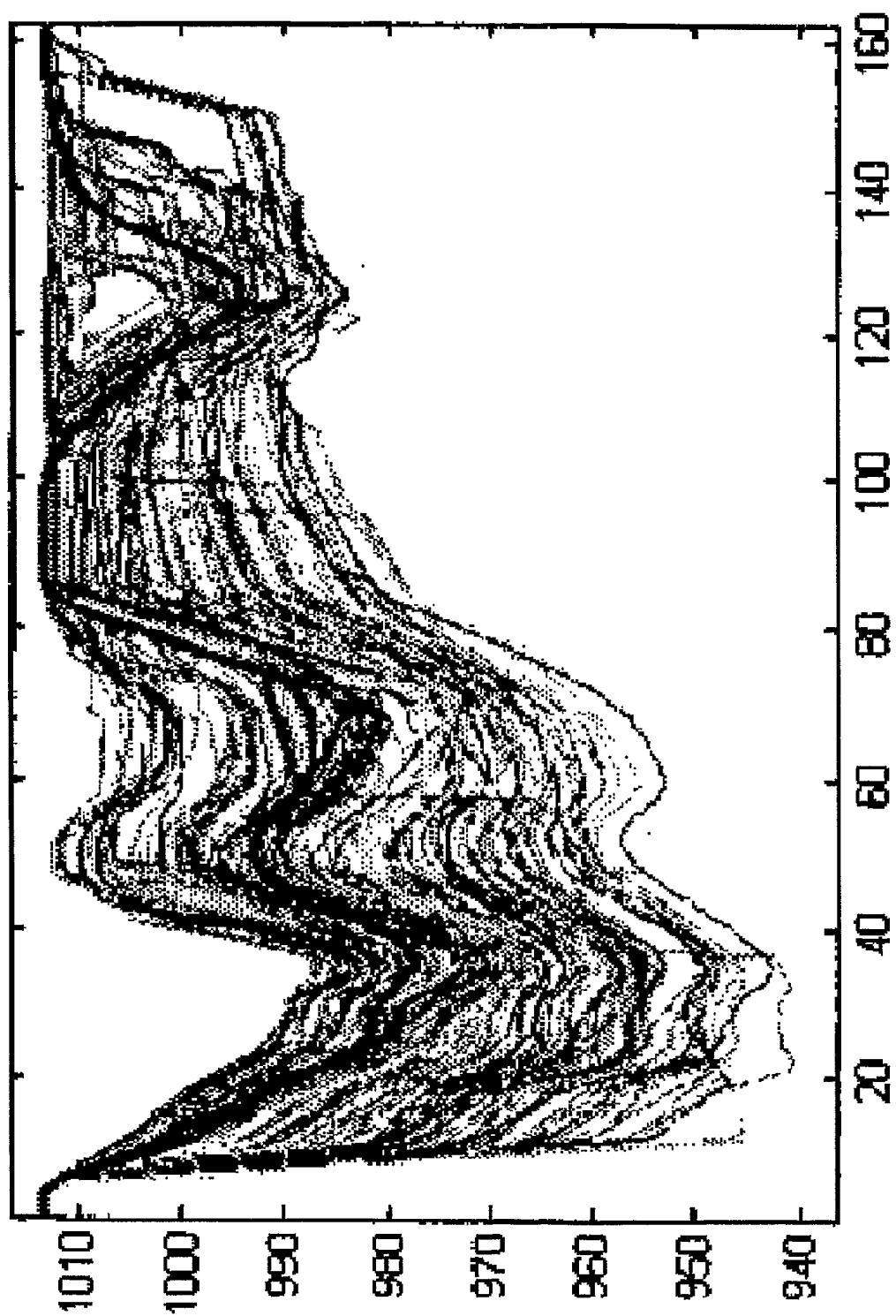


FIG. 11b

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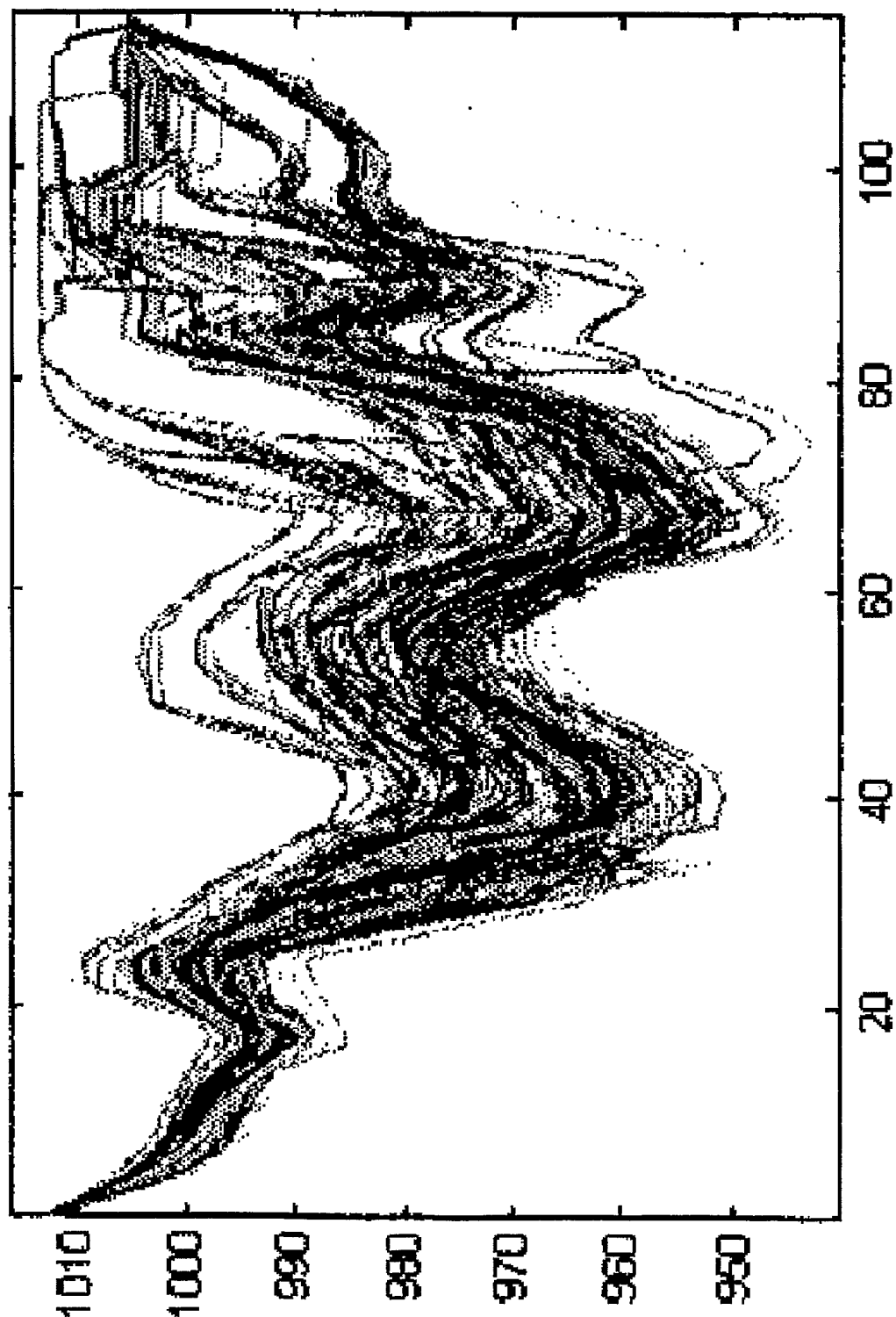


FIG. 11c



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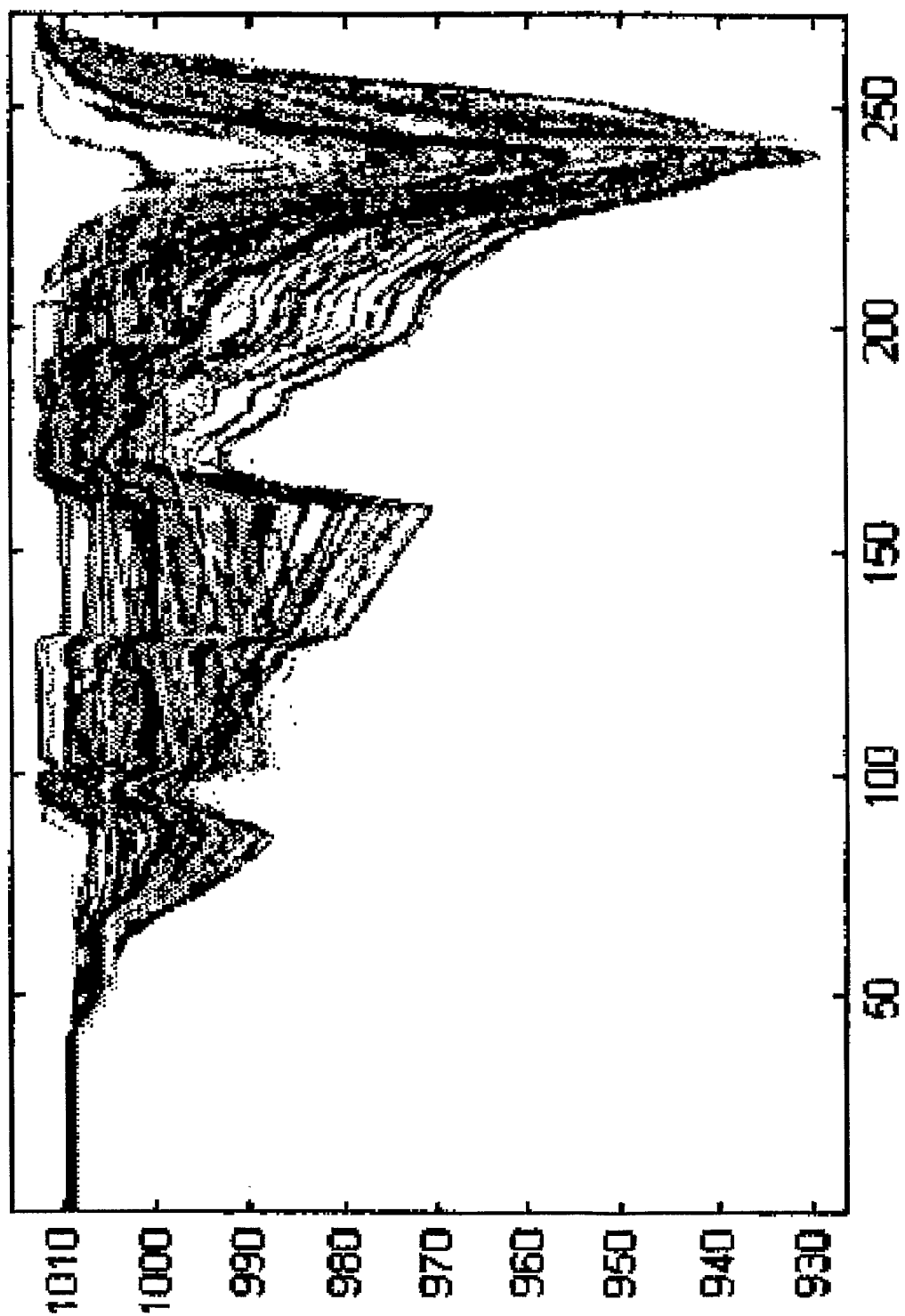


FIG. 11d

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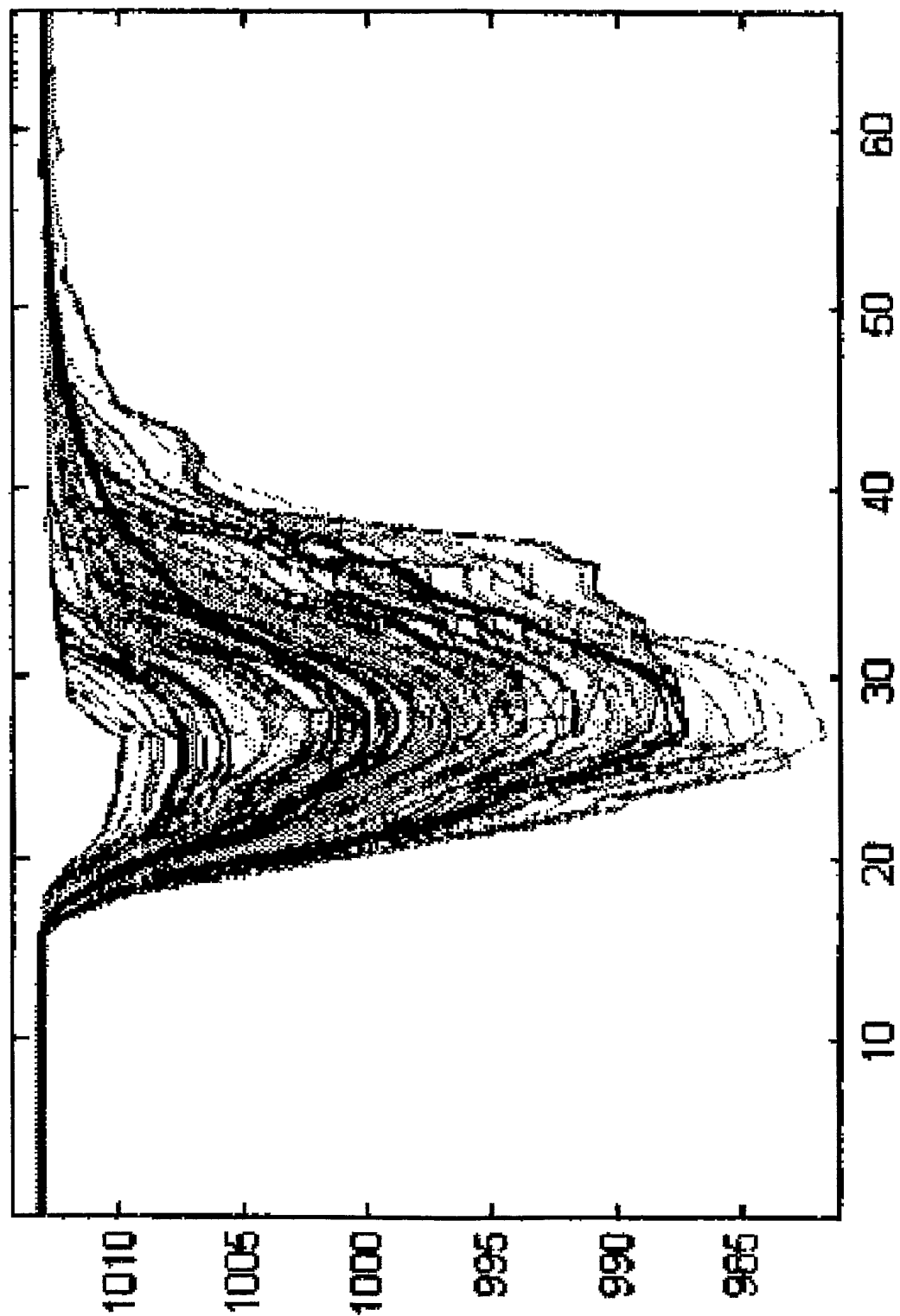


FIG. 11e

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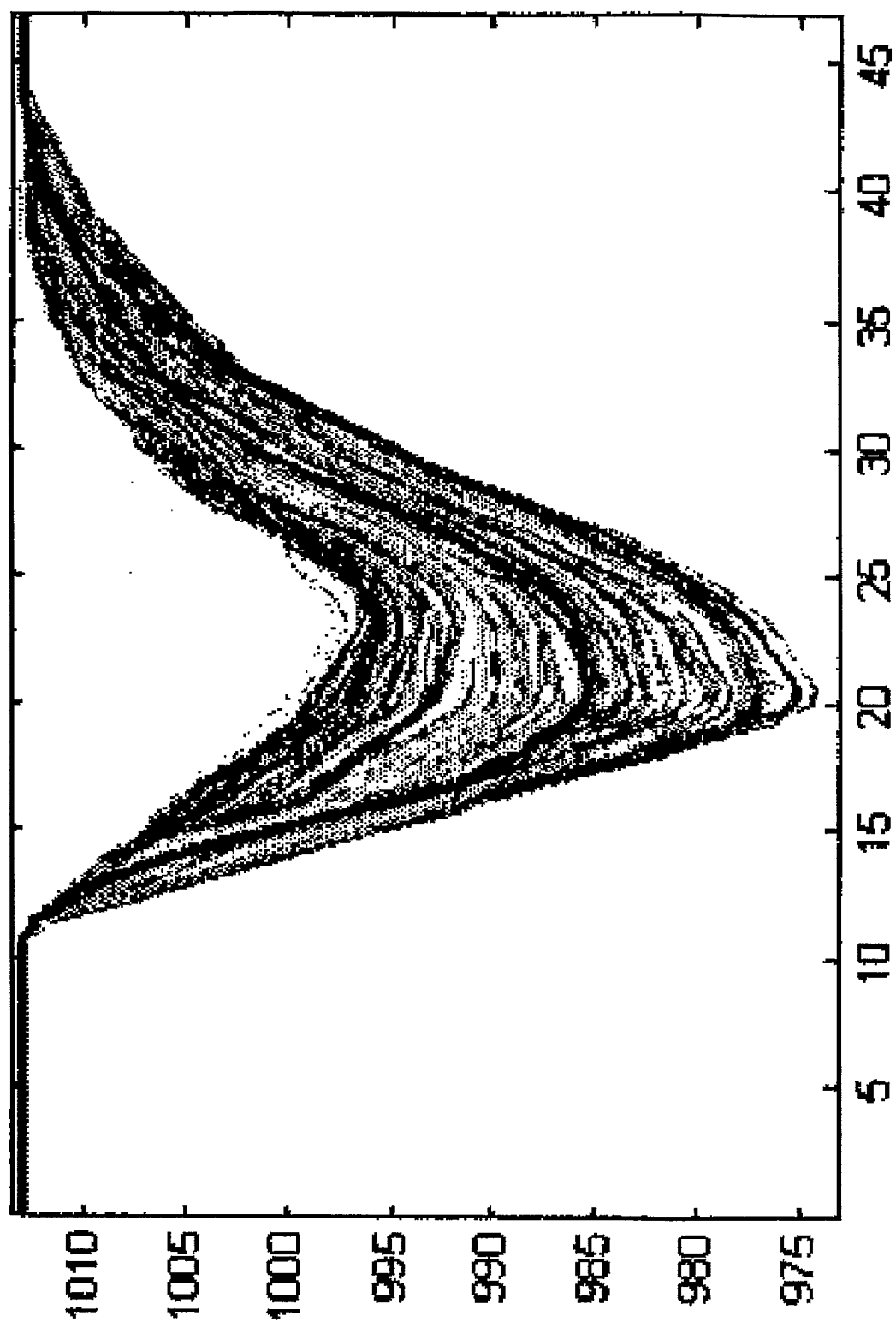


FIG. 11f

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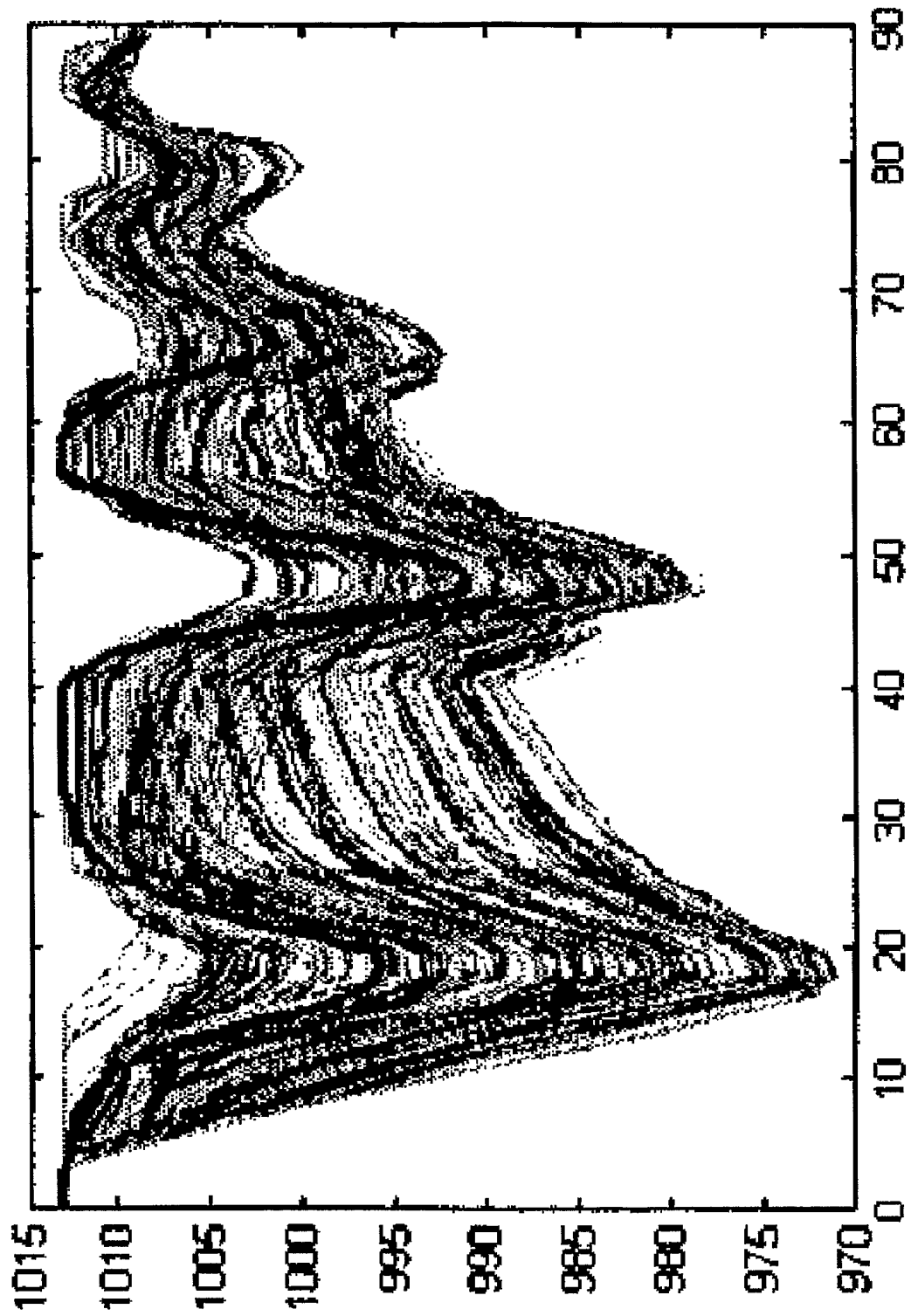


FIG. 11g

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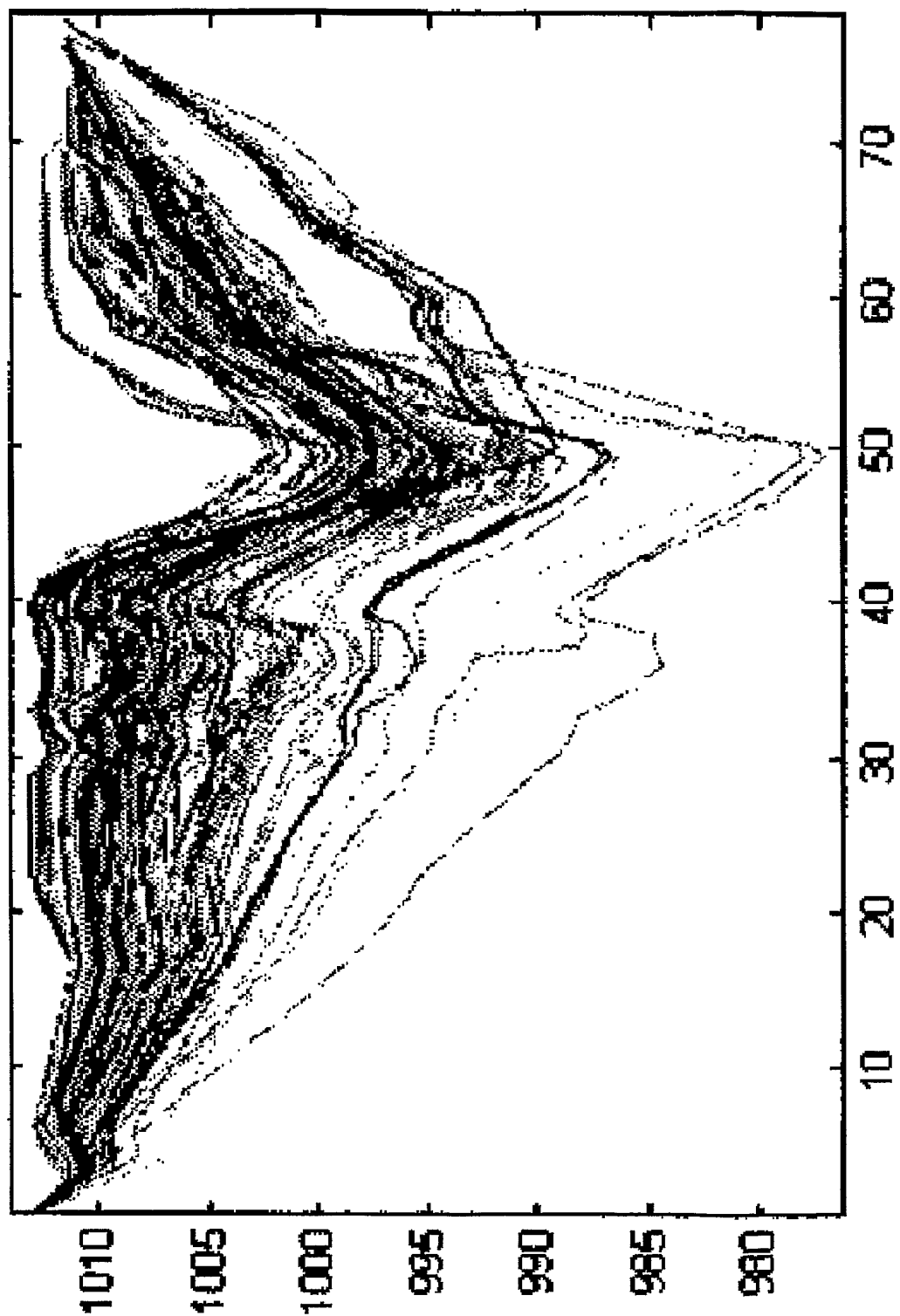


FIG. 11h

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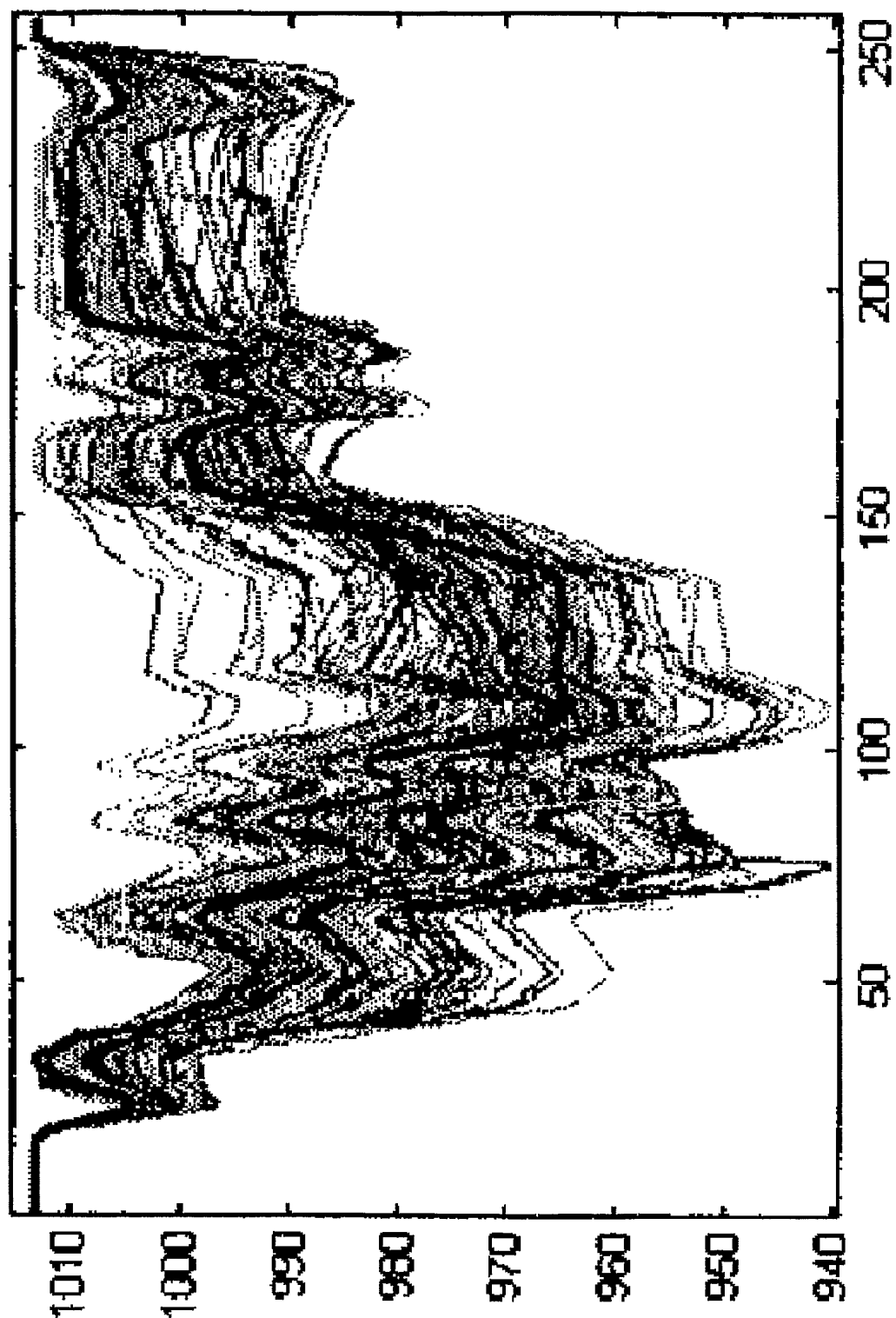


FIG. 11i